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DATE: October 12, 2005

FILE: UTS:264US/10506328

TO: Patricia Booker

COMPANY: United States Patent and Trademark Office - PCT Office

FAX NO.: 703-746-6695

FROM: Steven L. Highlander

SENDER'S  
PHONE: (512) 536-3184

RETURN  
ORIGINAL TO: Christopher Jackson

FLOOR: 20th

NO. OF PAGES TOTAL: 7

ORIGINAL: WILL NOT FOLLOW

COMMENTS:

Ms. Booker -

Per my conversation this morning, I am enclosing a copy of our filing via certificate of mailing of the Petition to Revoke and Supplemental Transmittal. Your help in this matter is greatly appreciated and if you have any questions, please do not hesitate to contact our office at (512) 536-3118.

Thank You

Christopher Jackson

**CONFIDENTIALITY NOTICE:** Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is attorney privileged and confidential information intended for the use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to Fulbright & Jaworski L.L.P. at the above address via the U.S. Postal Service at our expense.

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PAGE 1/7 \* RCVD AT 10/12/2005 4:55:12 PM [Eastern Daylight Time] \* SVR:USPTO-EFAX-5/24 \* DNIS:7466695 \* CSID:512 536 4598 \* DURATION (mm-ss):01-50

PTO-1390 (Rev. 02-2005)

Approved for use through 3/31/2007. OMB 0851-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NUMBER</b> UTSH:284US
<b>INTERNATIONAL APPLICATION NO.:</b> PCT/US2003/041182		<b>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)</b> 10/536,956
<b>INTERNATIONAL FILING DATE</b> 22 DECEMBER 2003		<b>PRIORITY DATE CLAIMED</b> 20 DECEMBER 2002
<b>TITLE OF INVENTION</b> VMP-LIKE SEQUENCES OF PATHOGENIC BORRELIA SPECIES AND STRAINS		
<b>APPLICANT(S) FOR DO/EO/US</b> Steven J. Norris		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> Is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> Is attached hereto.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: PETITION FOR REVIVAL OF AN INTL. APPL. FOR PATENT DESIGN, THE US ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b); \$1,250.00 CHECK AND POSTCARD.</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO-1390 (Rev. 02-2005)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
10/539,958		PCT/US2003/041182		UTSH:264US	
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$	300.00
22. <input checked="" type="checkbox"/> Examination fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				\$	200.00
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				\$	500.00
TOTAL OF 21, 22 and 23 =				\$	1,000.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	- 20 =		x \$ 50	\$	
Independent claims	- 3 =		x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+	\$360
TOTAL OF ABOVE CALCULATIONS =				\$	1,490.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 50%.					
SUBTOTAL =				\$	745.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	\$
TOTAL NATIONAL FEE =				\$	745.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property				+	\$
TOTAL FEES ENCLOSED =				\$	785.00
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,250.00 to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1212. A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
CUSTOMER NO. 32425					
EXPRESS MAIL NO: EV 448720308 US MAILING DATE: OCTOBER 12, 2005					
				SIGNATURE Travis M. Wohlers NAME 57,423 REGISTRATION NUMBER	

FORM PTO-1390 (REV. 02-2005)

Page 2 of 2

PTO/SB/64/PCT (12-04)

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**PETITION FOR REVIVAL OF AN INTERNATIONAL APPLICATION FOR PATENT  
DESIGNATING THE U.S. ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**Docket Number  
(Optional)  
UTSH:264US

First Named Inventor: Steven J. Norris

International (PCT) Application No.: PCT/US03/041182

U.S. Application No.: 10/539,956  
(If known)

Filed: June 17, 2005

Title: VMP-LIKE SEQUENCES OF PATHOGENIC BORRELIA SPECIES AND STRAINS

Attention: PCT Legal Staff  
Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

The above-identified application became abandoned as to the United States because the fees and documents required by 35 U.S.C. 371(c) were not filed prior to the expiration of the time set in 37 CFR 1.495(b) or (c) as applicable. The date of abandonment is the day after the date on which the 35 U.S.C. 371(c) requirements were due. See 37 CFR 1.495(h).

**APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION**

NOTE: A grantable petition requires the following items:

- (1) Petition fee
- (2) Proper reply
- (3) Terminal disclaimer with disclaimer fee which is required for all international applications having an international filing date before June 8, 1995; and
- (4) Statement that the entire delay was unintentional.

**1. Petition fee**

☒ Small entity - fee \$ 750.00 (37 CFR 1.17(m)). Applicant claims small entity status.  
See 37 CFR 1.27.

☐ Other than small entity - fee \$ \_\_\_\_\_ (37 CFR 1.17(m))

**2. Proper reply**

A. The proper reply (the missing 35 U.S.C. 371(c) requirement(s)) in the form of  
Trans. to the US/DO/EO Under Sec. 371 Submitting the Basic National Filing (Identify type of reply):  
Fee, Examination Fee and Search Fee.

☐ has been filed previously on \_\_\_\_\_

☒ Is enclosed herewith.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/64/PCT (12-04)

Approved for use through 03/31/2007. OMB 0851-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

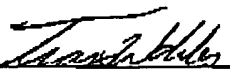
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## 3. Terminal disclaimer with disclaimer fee

- ☒ Since this international application has an international filing date on or after June 8, 1995, no terminal disclaimer is required.
- ☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ \_\_\_\_\_ for a small entity or \$ \_\_\_\_\_ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

## 4. Statement. The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

	10/12/05
Signature	Date
Travis M. Wohlers	57,423
Typed or Printed Name	Registration Number, if applicable
Fulbright & Jaworski, LLP, 600 Congress Ave., Suite 2400,	512-536-5654
Address	Telephone Number
Austin, Texas 78701	
Address	

Enclosures: ☒ Response  
☒ Fee Payment  
☐ Terminal Disclaimer  
☒ Other (please identify):  
Postcard

**Please indicate receipt of the below-identified paper:**

<input type="checkbox"/> New Application For:		Priority Date:	
<input type="checkbox"/> Foreign priority already claimed .			
<input type="checkbox"/> Continuation	<input type="checkbox"/> CIP	<input type="checkbox"/> Divisional	CPA <input type="checkbox"/>
<input type="checkbox"/> Specification:	Pages	Drawings:	Sheets
<input type="checkbox"/> Response to Office Action Dated:	<input type="checkbox"/> Final Rejection		
<input checked="" type="checkbox"/> Other: Trans. Ltr. to the US Design/Elect. Off. (DO/EO/US) Concern. a Sub. Under 35 USC 371; Petition for Revival of an Intl. Appl. for Patent Design the US Abandoned Unintentionally Under 37 CFR 1.137(b); \$1,250 Check and Postcard.			
<input type="checkbox"/> Assignment Enclosed	<input type="checkbox"/> Cert. of Timely Mailing	<input checked="" type="checkbox"/> Exp. Mail: EV448720308US	

**IDENTIFICATION OF APPLICATION**

Serial No.:	10/539,956		
Title:	VMP-LIKE SEQUENCES OF PATHOGENIC BORRELLIA SPECIES AND STRAINS		
Applicant:	STEVEN J. NORRIS	Attorney:	MBW/TMW
Client:	UT HEALTH SCIENCE CENTER AT HOUSTON	F&J File No.:	UTSH.264US
Mailed:	Filed: 10/12/05	Due Date:	